ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

Eleventh North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/11)

P/10 Agenda Item 5
Improving Aviation Security through Assistance and Training - ICAO Implementation Support and Development – Security Programme (ISD-SEC)
Presented by the Secretariat

1

ICAO

RECONNECTINGTHEWORLD

Improving Aviation Security through Assistance and Training

ICAO Implementation Support and Development – Security Programme (ISD-SEC)

2

ICAO | RECONNECTINGTHEWORLD

Outline

- – ISD-SEC Programme
- – ICAO ASTC Network
- – ICAO AVSEC Certified Instructors Cadre
- – ICAO AVSEC Training Materials (including on Insider Threat)
- – Cybersecurity Training
- – Training Achievements 2022
- – Impact from the Pandemic
- – Assistance Achievements 2022
- – Regional Initiatives and Partnerships Support
- – Security Culture: Tools and Resources

3

ICAO | RECONNECTINGTHEWORLD

ISD-SEC Programme 1/4

Aviation security assistance and training at ICAO is supported on a global basis by the **Implementation Support and Development Section - Security (ISD-SEC),** in coordination with the Regional Offices and the Technical Cooperation Bureau.

ISD-SEC is also guided by the **Global Aviation Security Plan (GASeP)** adopted by the ICAO Council at its 212th Session in November 2017 to support global aviation security enhancement efforts.

4

ISD-SEC Programme 2/4

Pursuant to Assembly Resolutions A41-18, Consolidated statement on continuing ICAO policies related to aviation security, and Recalling Resolution A40-12 on the Declaration on Aviation Security – affirming global commitment to strengthening implementation, **the ICAO Secretariat aims to implement targeted training and assistance to address identified aviation security deficiencies for those States in need** and for those States who wish to build their capabilities to sustain effective implementation of Annex 17 – *Aviation Security*.

The importance of aviation security was also reaffirmed with the adoption of the **United Nations Security Council resolution (UNSCR) 2309** (2016) calling on ICAO to assist States in complying with international aviation security standards.

5

ISD-SEC Programme 3/4
AVSEC Assistance and Capacity Building Strategy

The ICAO Aviation Security Assistance and Capacity Building Strategy was updated in **2020,** with emphasis on:

- – Supporting compliance with ICAO AVSEC SARPs;
- – Addressing priority deficiencies in State aviation security and oversight regimes and promoting long-term sustainability;
- – Ensuring that States enhance their capacity to address evolving threats and new security requirements;
- – Managing cooperation and collaboration with key stakeholders; and
- – Supporting ICAO's global aviation security commitments.

6

ISD-SEC Programme 4/4

Despite the challenges from the COVID-19 pandemic, ISD-SEC continued to adapt its work programme, focusing on the virtualization of much of its aviation security training, alongside the roll out of **new and updated training material** and the **Aviation Security Implementation Package (AVSEC iPack).**

In support of the **ICAO** *Year of Security Culture* **(YOSC) 2021,** there has also been a heavy focus on the provision of security culture training and assistance to maintain the security culture momentum.

7

ICAO Aviation Security Training Centre Network

NACC & SAM	EUR/NAT	ESAF & WACAF	MID	APAC
Bogota	Almaty	Dakar	Amman	Auckland
Buenos Aires	Casablanca	Dar es Salaam	Beirut	Hong Kong
Mexico City	Doncaster	Douala	Cairo	Jakarta
Port of Spain	Kyiv (2)	Johannesburg	Dubai	Kuala Lumpur
Quito	Minsk	Lagos	Jeddah	Kunming
Santo	Moscow	Nairobi	Manama	New Delhi
Domingo	Toulouse			Seoul
	Tunis			Singapore

35 **active** ASTCs in total

8

| ICAO | **RECONNECTINGTHEWORLD**

General Requirements for Establishing and Maintaining Recognition as an ICAO Aviation Security Training Centre (ASTC)

- ISD-SEC manages the ASTC Network in coordination with the Regional Offices and the Global Aviation Training (GAT) Section
- Procedure for new ASTC applicants harmonized with GAT: any new ASTCs must first become an active member of TRAINAIR PLUS (subsequently receive an ASTC evaluation by ISD-SEC and ASTC endorsement when satisfactory)
- ASTC delivers: ICAO-sponsored, ASTC-sponsored regional, national and Online courses
- ASTC uses: ICAO name, emblem, logo, training materials and certificates
- ASTC is required to use ICAO-certified AVSEC instructors for ICAO-sponsored and ASTC-sponsored regional training
- ISD-SEC re-evaluates ASTCs every 5 years

9

| ICAO | **RECONNECTINGTHEWORLD**

ICAO-certified AVSEC Instructors Cadre – by Region

Total: 366 Instructors from 105 Member States

WACAF: 66, APAC: 59, SAM: 21, ESAF: 52, NACC: 46, MID: 46, EURNAT: 76
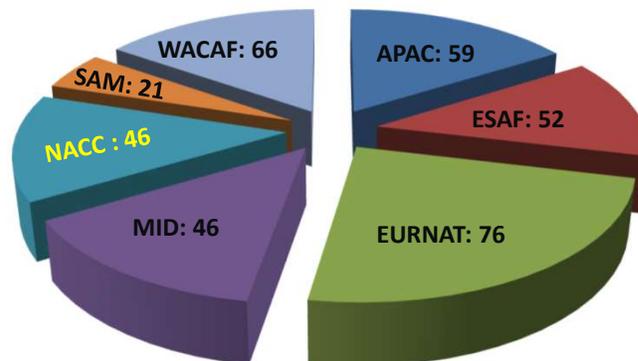
Global
Female: 101 (27.5%)
Male: 265 (72.5%)

10

ICAO AVSEC Training Materials

7 AVSEC Training Package (ASTP) Courses:

- Air Cargo and Mail Security *
- Airport Security Supervisors *
- AVSEC Managers *
- AVSEC National Inspectors
- AVSEC National Instructors
- Basic – being updated
- Behavior Detection Course *
  (new addition in 2023)

*Also available in virtual format

https://www.icao.int/Security/isd/Training/packages/pages/default.aspx

AVSEC Supervisors Course, given by ASTC Seoul in May 2021

11

ICAO AVSEC Training Materials

9 Workshops:

- Airport Security Programme *
- Crisis Management *
- Insider Risk
- National Aviation Security Certification System
- NCASP *
- NCASTP
- NCASQCP *
- Risk Management *
- Security Culture *

* Also available in virtual format

Security Culture Workshop piloted by ASTC Hong Kong in June 2021

12

ICAO | RECONNECTINGTHEWORLD

New Training Materials – Insider Threat

ICAO Insider Threat Toolkit (*released August 2022*):

– Insider threat mitigation measures and tools

– Supports a wider understanding of security culture and its evolution

ICAO Insider Threat Webinar (*watch on ICAO TV*)

– Overview on insider threat and insider risks

– Speakers shared experiences and best practices

AVSEC2022
INSIDER THREAT WEBINAR
22 November 2022

13

ICAO | RECONNECTINGTHEWORLD

New Training Materials – Insider Risk

ICAO Insider Risk Workshop

– Principles of risk management applied to insider threat scenarios

– Security countermeasures to mitigate the insider risk

– Practical exercises

ICAO Pamphlet: Managing Insider Risks

– Insider risks and insider threats and advice on countermeasures

– Information on ICAO Risk Assessment Model (benefits of risk assessment)

www.icao.int/Security/Security-Culture/Pages/default.aspx

14

ICAO AVSEC Training Materials

Two joint Programmes:

- ACI-ICAO Management of Airport Security *
- AVSEC Professional Management Course (AVSEC PMC) in collaboration with Concordia University *

* Also available in virtual format

https://www.icao.int/Security/isd/avsecpmc/Pages/default.aspx

Classroom and virtual courses

15

ICAO AVSEC Training Materials

ICAO partners with Bucks UK and HKIAA:

- MSc in Aviation Security (with Buckinghamshire New University)
- Assessing Threat through Behaviour Detection (with Hong Kong International Aviation Academy)
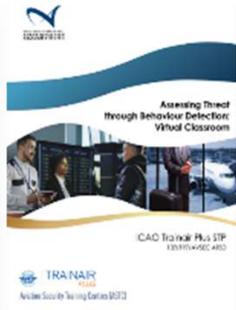
Virtual courses   *Classroom and Virtual courses*

https://igat.icao.int/ated/TrainingCatalogue/

16

ICAO AVSEC Training Materials

ICAO partners with UK Civil Aviation Authority International (UK CAAi)

- Introduction to Security Culture
- CAA Operational recovery during a Pandemic
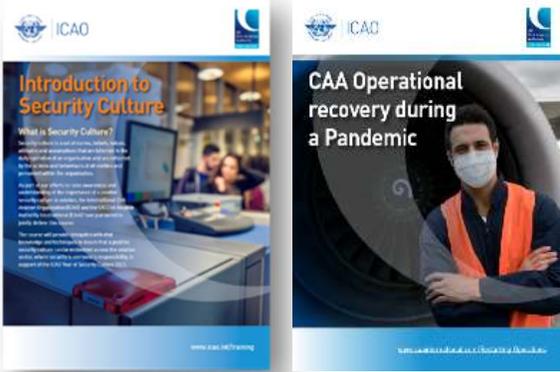
Virtual courses

https://igat.icao.int/ated/TrainingCatalogue/

17

ICAO AVSEC Training Materials

ICAO partners with Incheon Airport Aviation Academy (IAAA) and Korea Airports Corporation (KAC)

- Airport Landside Security

Classroom

https://igat.icao.int/ated/TrainingCatalogue/

18

ICAO AVSEC Training Materials

ICAO partners with EUROCONTROL

Institute of Air Navigation Services,

Luxembourg:

- Conducting an ATM Security Risk Assessment
- Managing Security in Air Traffic Management (ATM) Course

Virtual Course *Classroom Course*

https://igat.icao.int/ated/TrainingCatalogue/

19

Cybersecurity Training

- ICAO & Embry-Riddle Aeronautical University - Foundations of Aviation Cybersecurity Leadership and Technical Management

Classroom and virtual course

https://igat.icao.int/ated/TrainingCatalogue/

20

RECONNECTINGTHEWORLD | ICAO

ICAO Training Achievements 2022

- **30** ICAO-sponsored AVSEC training activities via ASTCs
- **7** virtual-class and **23** in-person events
- Benefitting **427** AVSEC specialists from **90** Member States
- Annual Newsletters were issued for ICAO Certified Instructors
- **1** AVSEC PMC conducted benefitting **12** AVSEC specialists (**2** PMCs in progress)

21

RECONNECTINGTHEWORLD | ICAO

Impact of the Pandemic

Annual training activities continued despite the pandemic (although significantly reduced in 2020)

Year	Virtual	In-person	ICAO-sponsored activities (Total)	Results	(Activity level)
2019		35	35	517 specialists, 100 States	
2020	2	11	13	138 specialists, 24 States	37% of Pre-pandemic level
2021	21	13	34	438 specialists, 86 States	97% of Pre-pandemic level
2022	7	23	30	427 specialists, 90 States	Full programme

22

ICAO Assistance Achievements (as of 25 Nov)

- In total, **13** States globally are currently involved in an active AVSEC Improvement Plan (ASIP):
- iPack AVSEC Quality Control Oversight (iPack-AVSEC)
- iPack designed to guide State Authorities responsible for AVSEC and other relevant stakeholders in their efforts to maintain and strengthen surveillance measures during and after the pandemic
- **20** iPack-AVSEC deliveries done in 2021, **5** iPack-AVSEC deliveries in 2022 and additional **5** iPack-AVSEC deliveries in 2023
- Air Cargo and Mail Security Course (virtual) and Risk Management Workshop (virtual) through partnership with UNODC/WCO Container Control Programme (CCP): **6** beneficiary States
- Cooperation with UNOCT on the Programme on Threat Assessment Models for Aviation Security (TAM Programme): **3** beneficiary States
- **For 2022**, as of 25 Nov 2022, there were a total of **68** ICAO HQ-supported AVSEC assistance activities, benefitting **1052** AVSEC specialists from **85** Member States

23

ICAO Assistance in the NACC Region

2022

- 2 AVSEC Managers Course (Virtual)
  (Port of Spain/EN and Mexico City/SP)
- Risk Management Workshop
  (Belize)
- Support to the National AVSEC Coordinators meeting of the OECS States
  (Antigua and Barbuda)
- National Instructors Course
  (El Salvador)
- Security Culture and Risk Management Workshops
  (Guatemala)

2023

- AVSEC Managers Course (Virtual)
  (Santo Domingo/SP)
- AVSEC Managers Course (Classroom)
  (Port of Spain/EN)
- Security Culture Workshop
  (Santo Domingo/SP)
- ICAO Instructors Certification Course
  (Mexico City/SP)
- Cargo & Mail Security Course
  (States TBD)

24

ICAO | RECONNECTINGTHEWORLD

Support for Key Regional Initiatives

HQ support for the:

- Cooperative Aviation Security Programmes in the Asia and Pacific and Middle East Regions (CASP-AP, CASP-MID)
- Comprehensive Regional Implementation Plan for Aviation Security and Facilitation in Africa (AFI SECFAL Plan)
- Regional Aviation Security and Facilitation Groups and sub-groups

25

ICAO | RECONNECTINGTHEWORLD

ICAO Security Culture: Background (1)

- 40th Session of the ICAO Assembly designated 2020 as the *Year of Security Culture* (YOSC), making **security awareness** and **security culture** a priority
- ICAO Council approved the relaunch of the YOSC in **2021** due to COVID-19
- Launched virtually during the ICAO Global Aviation Security Symposium 2020 by the ICAO Secretary General
- YOSC supports the **GASeP** priority action of "developing security culture and human capability"

26

ICAO

RECONNECTINGTHEWORLD

ICAO Security Culture: Background (2)

- Amendment 18 to Annex 17 (applicable 18 Nov 2022). New Recommendation (3.4.7) — Each Contracting State should require entities involved with or responsible for the implementation of various aspects of the national civil aviation security programme **to promote, develop and implement measures and mechanisms that contribute to establishing a strong and effective security culture**

- 41st Session of the ICAO Assembly recognized the ongoing need to promote the enhancement of security awareness and a strong and effective security culture in aviation, by Member States, industry and other stakeholders

27

ICAO

RECONNECTINGTHEWORLD

ICAO Security Culture: Objectives

To encourage the aviation industry to think and act in a security-conscious manner

1 To encourage action in a security conscious manner

To promote an effective and sustainable security culture, as a critical core value endorsed from top management: "*security is everyone's responsibility*"

3 To promote security culture

2 To raise security awareness

To raise security awareness in aviation operations - achieving a balance of security, safety, facilitation and the passenger experience

28

14

RECONNECTINGTHEWORLD | ICAO

ICAO Security Culture Tools

ICAO Security Culture website

- Articles, guidance, toolkits, videos, FAQs, training links, quizzes
- Shared security culture best practices by the international aviation community
- Self-assessment tool
- ICAO/ACI World 'Video challenge'

www.icao.int/Security/Security-Culture/Pages/default.aspx

29

RECONNECTINGTHEWORLD | ICAO

ICAO Security Culture Toolkit

- Available in all ICAO languages
- Describes <u>what you</u> (and your organization) <u>can do</u> to implement a strong and effective security culture
- Highlights the desired security outcomes and best practices to follow

30

ICAO | RECONNECTINGTHEWORLD

ICAO Security Culture Campaign 'Starter Pack'

- Available in all ICAO languages
- Describes <u>how</u> you (and your organization) can implement a strong and effective security culture
- Key principles and practical actions highlighted
- Customizable resources shared
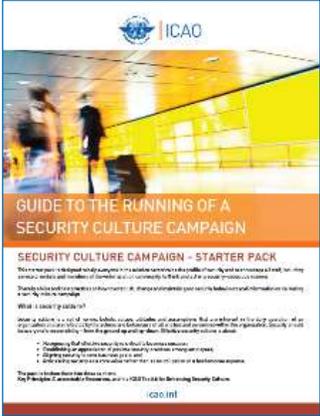
31

ICAO | RECONNECTINGTHEWORLD

Training

- Importance of training and continuous learning
  - Why is a strong security culture necessary
  - What can staff do to ensure it is implemented
- **ICAO Security Culture Workshop**
- Various training material from States and Industry is also available on the ICAO Security Culture website

ICAO Security Culture Workshop

32

ICAO

RECONNECTINGTHEWORLD

ICAO Security Culture Discussion Cards

33

ICAO

RECONNECTINGTHEWORLD

Over 60 ICAO cards to facilitate security culture conversations

34

ICAO Security Culture Customizable Resources

Interview Templates

Double-sided flyer

35

ICAO Security Culture Customizable Resources

Over 25 ICAO customizable materials to promote security culture

PowerPoint Briefing Pack

Wallet Cards

36

12 ICAO Security Culture Posters
For Staff Areas

37

ICAO Security Culture Films

- 2 short films to raise security awareness
- **8 min film**: for all staff. Highlights good security behaviours and shares tips on how to implement a strong and effective security culture
- **3 min film**: for senior managers. Provides information on the wider benefits of a positive security culture and advice on how to build and maintain a secure airport environment
- Watch now on the **ICAO Security Culture website**

www.icao.int/Security/Security-Culture/Pages/Films.aspx

38

ICAO Security Culture e-learning

- **"Fundamentals of Security Culture"** interactive e-learning

- Objectives: improve staff security performance; understand benefits of positive security culture; build and maintain a secure airport environment

- Suitable for all staff in aviation

- Available for free from **ICAO Security Culture website** early 2023

www.icao.int/Security/Security-Culture/Pages/E-learning-Package.aspx

39

ICAO AVSEC Assistance, Capacity Building and Training
Implementation Support and Development Section - Security (ISD-SEC) ICAO HQ Montréal
Email: isd@icao.int
Tel: +1-514-954-6311

www.icao.int/Security/Security-Culture/Pages/default.aspx

THANK YOU

40